

Data Path : Z:\HPCHEM1\BNA M\Data\BM081215\
 Data File : BM002351.D
 Acq On : 12 Aug 2015 08:32
 Operator : UM/IZ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02025

Quant Time: Aug 12 09:12:26 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	225168	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1000419	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	504867	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1004059	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	738791	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	638180	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1054868	20.17	ng/ul	0.00
10) Fluorene-d10	16.46	176	708838	19.49	ng/ul	0.00
14) Anthracene-d10	18.29	188	984210	20.20	ng/ul	0.00
18) Pyrene-d10	20.51	212	875151	24.42	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	683053	20.16	ng/ul	0.00

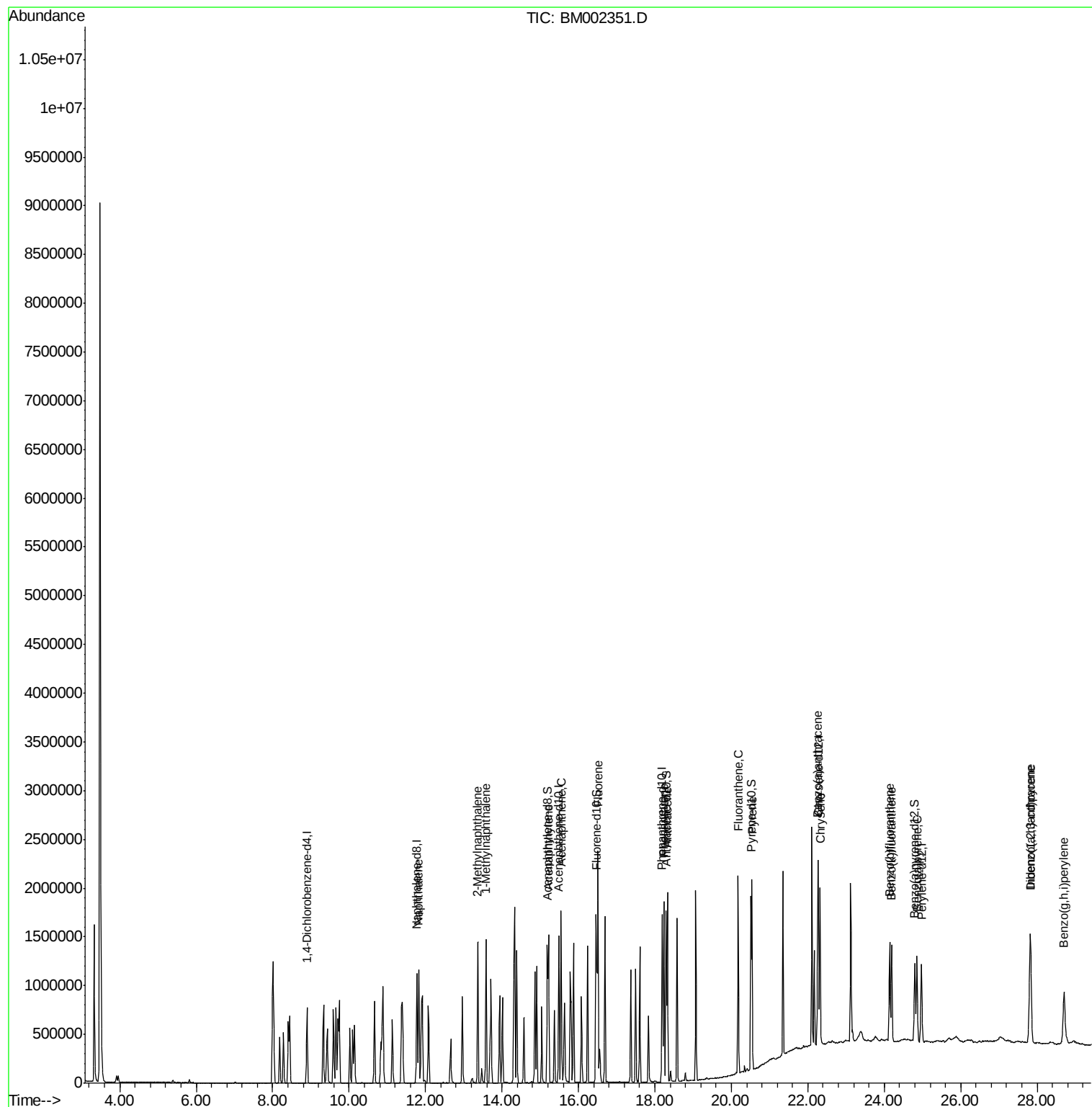
Target Compounds				Ovalue		
3) Naphthalene	11.82	128	1050211	19.94	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	718873	19.10	ng/ul	98
5) 1-Methylnaphthalene	13.58	142	707691	19.08	ng/ul	99
8) Acenaphthylene	15.22	152	1096629	20.20	ng/ul	100
9) Acenaphthene	15.54	153	732199	20.05	ng/ul	99
11) Fluorene	16.51	166	805195	19.58	ng/ul	100
13) Phenanthrene	18.24	178	1162126	20.11	ng/ul	99
15) Anthracene	18.33	178	1196805	20.05	ng/ul	99
16) Fluoranthene	20.18	202	1154536	18.04	ng/ul	100
19) Pyrene	20.54	202	1159763	24.28	ng/ul	97
20) Benzo(a)anthracene	22.26	228	914608	20.28	ng/ul	99
21) Chrysene	22.32	228	856492	20.04	ng/ul	100
23) Benzo(b)fluoranthene	24.14	252	820024	20.67	ng/ul	100
24) Benzo(k)fluoranthene	24.19	252	775293	20.35	ng/ul	98
26) Benzo(a)pyrene	24.86	252	765565	20.17	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.82	276	882938	20.29	ng/ul	98
28) Dibenzo(a,h)anthracene	27.83	278	752851	20.42	ng/ul	100
29) Benzo(g,h,i)perylene	28.71	276	743682	20.26	ng/ul	99

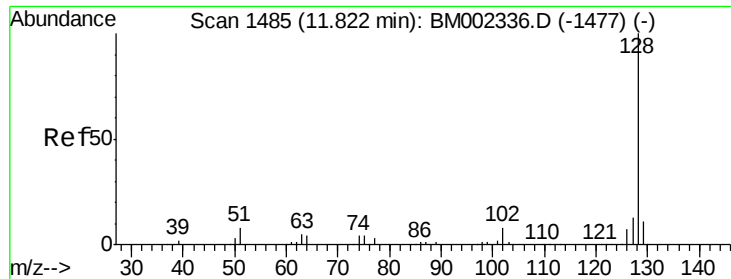
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.94 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

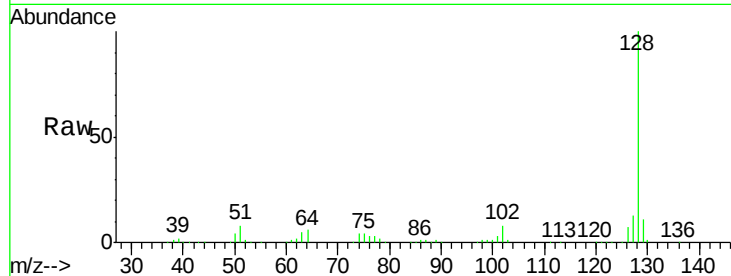
BNA_M

ClientSampleId :

SSTD02025

Tot Ion:128 Resp: 1050211

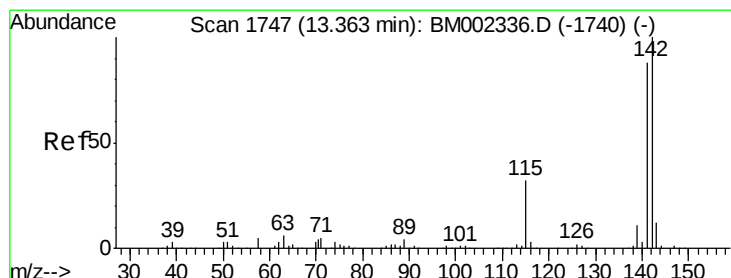
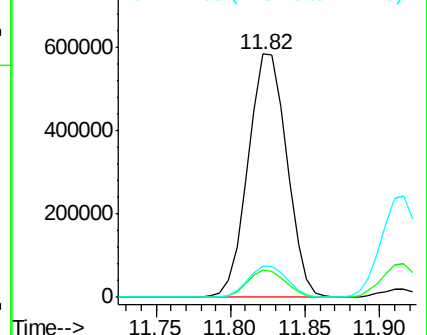
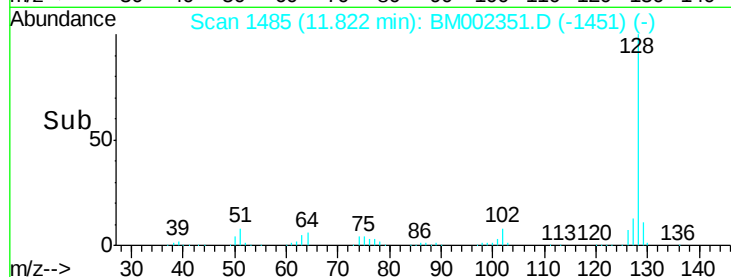
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.0	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 19.10 ng/ul

RT: 13.37 min Scan# 1748

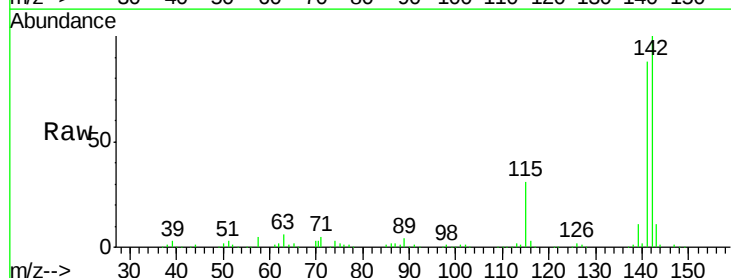
Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

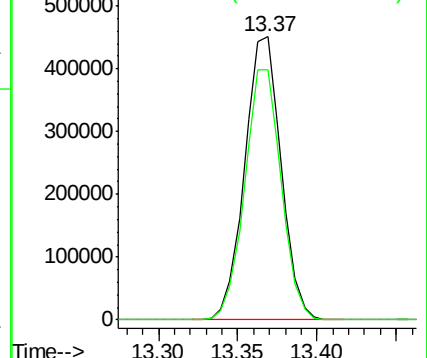
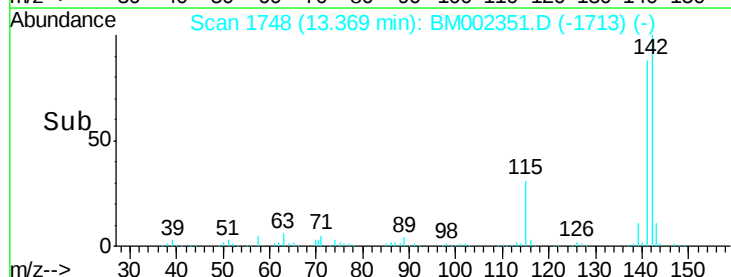
Tgt Ion:142 Resp: 718873

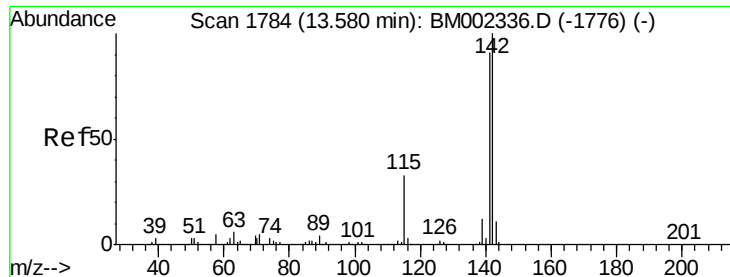
Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.5	108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.08 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

BNA_M

ClientSampleId :

SSTD02025

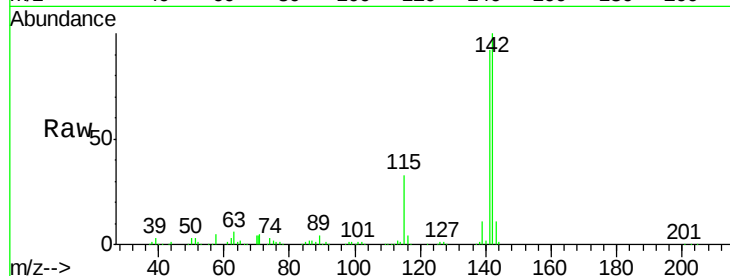
Tot Ion:142 Resp: 707691

Ion Ratio Lower Upper

142 100

141 92.2 74.5 111.7

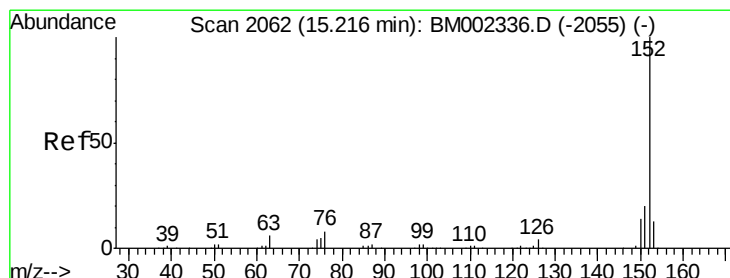
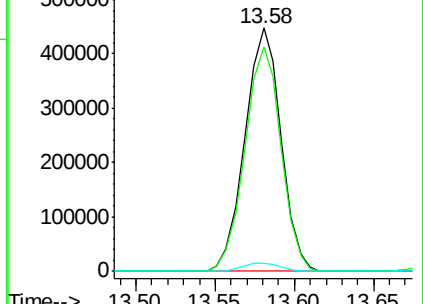
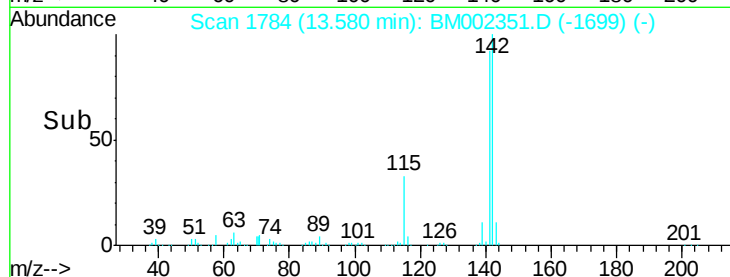
116 3.6 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 20.20 ng/ul

RT: 15.22 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

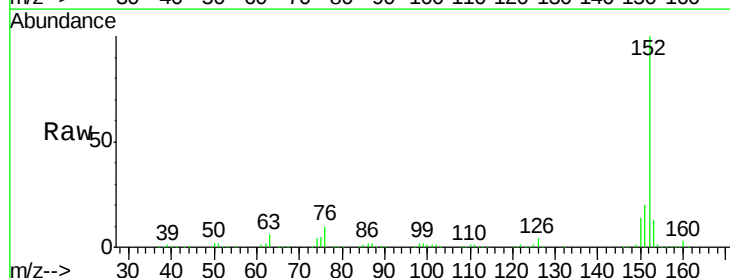
Tgt Ion:152 Resp: 1096629

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

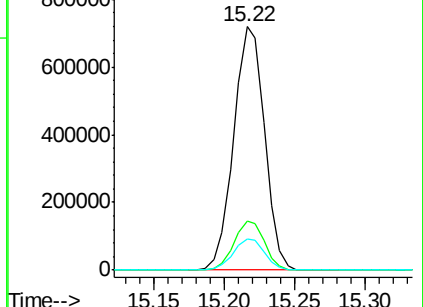
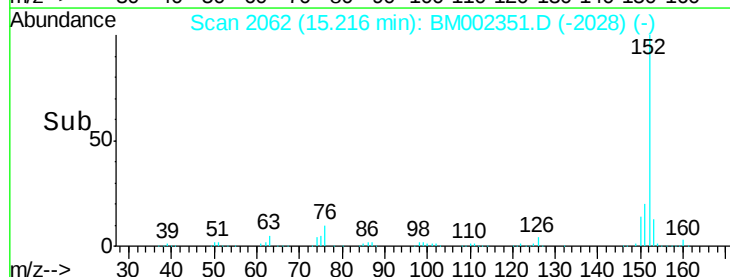
153 13.0 10.6 15.8

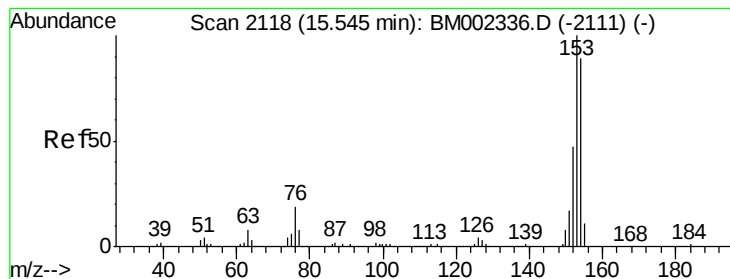


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.05 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

BNA_M

ClientSampleId :

SSTD02025

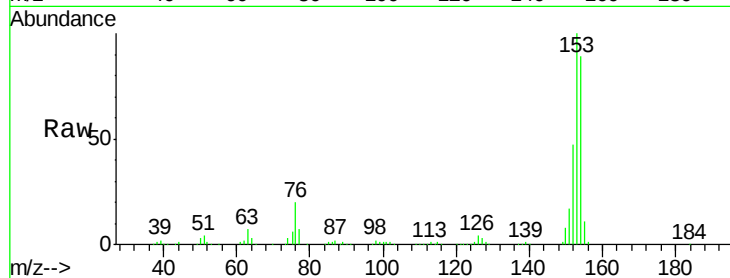
Tot Ion:153 Resp: 732199

Ion Ratio Lower Upper

153 100

152 47.3 36.6 55.0

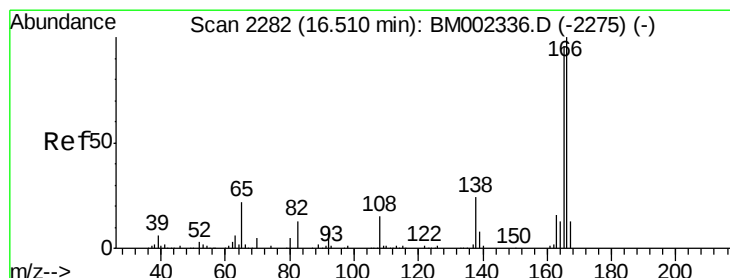
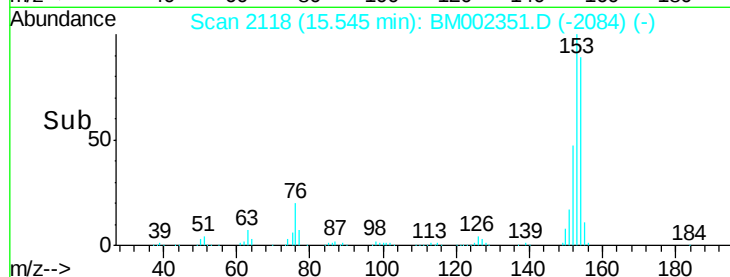
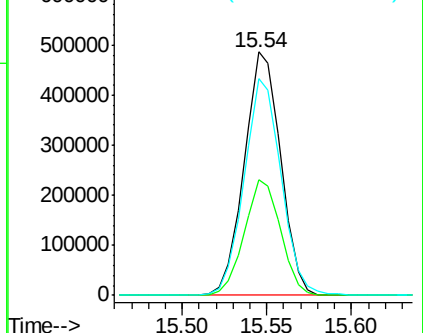
154 89.3 71.5 107.3



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 19.58 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

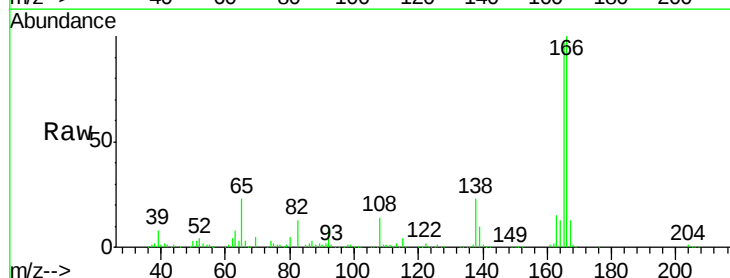
Tgt Ion:166 Resp: 805195

Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

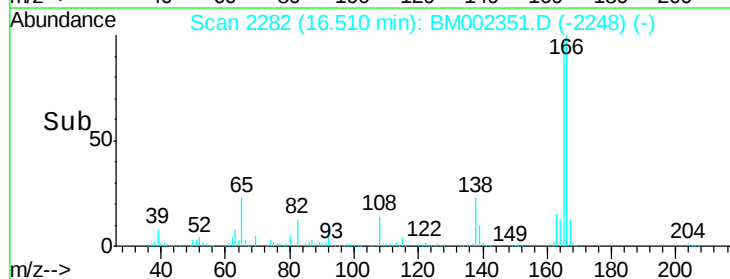
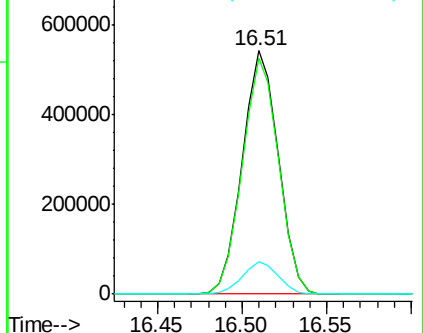
167 13.3 10.4 15.6

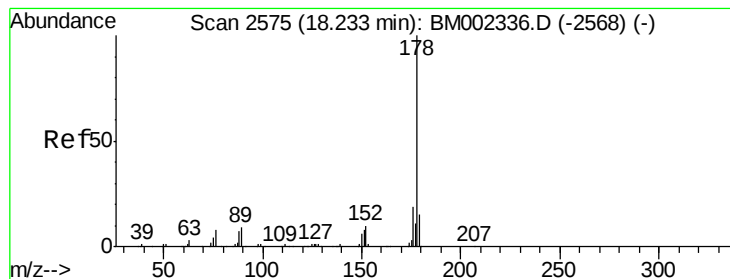


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.11 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

BNA_M

ClientSampleId :

SSTD02025

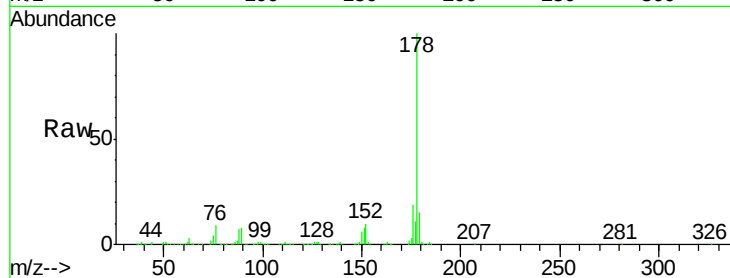
Tot Ion:178 Resp: 1162126

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

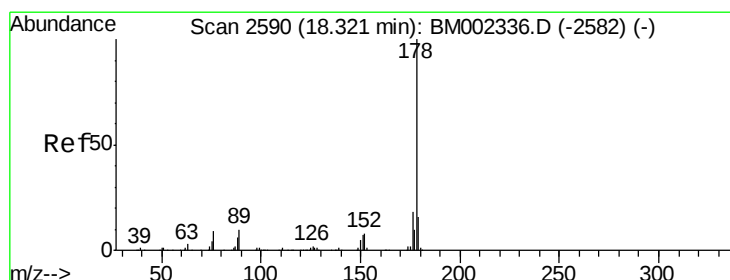
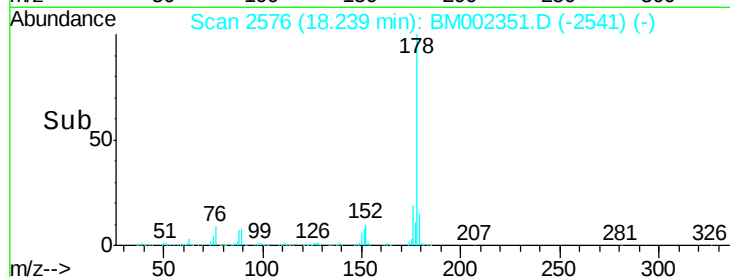
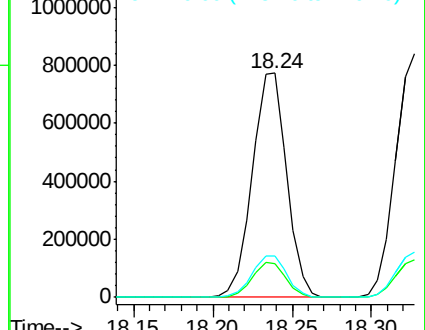
176 18.7 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 20.05 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

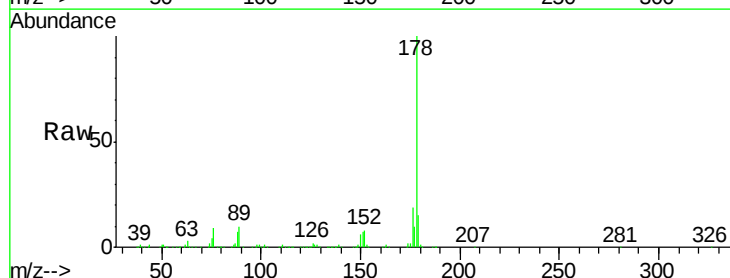
Tgt Ion:178 Resp: 1196805

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

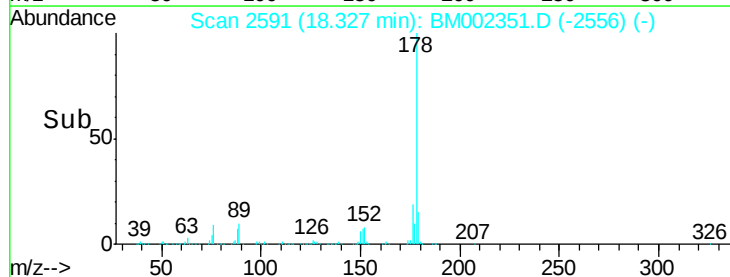
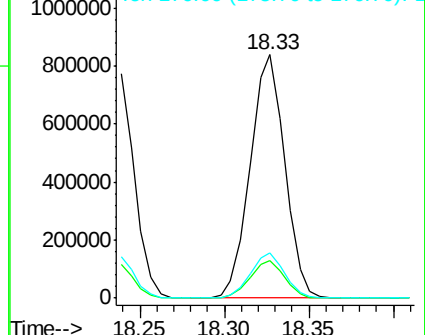
176 18.6 14.5 21.7

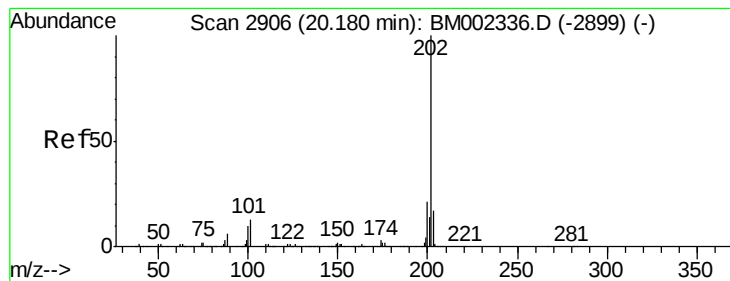


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 18.04 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

BNA_M

ClientSampleId :

SSTD02025

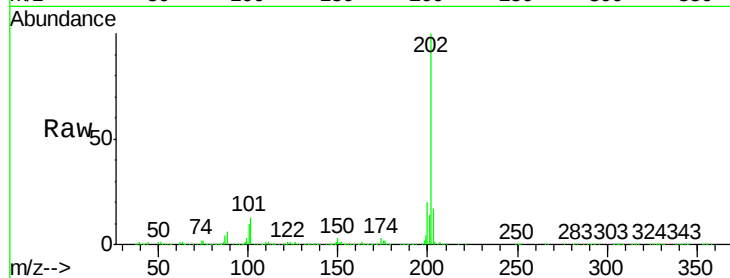
Tot Ion:202 Resp: 1154536

Ion Ratio Lower Upper

202 100

101 13.2 10.6 15.8

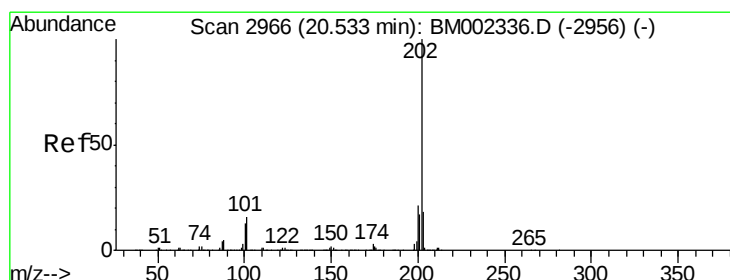
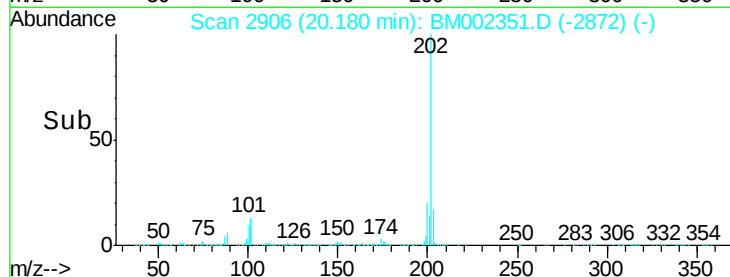
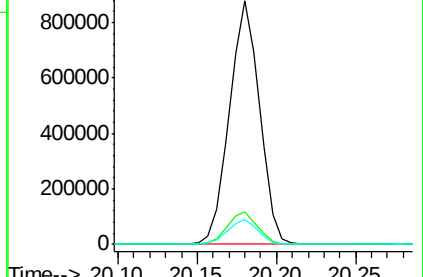
100 10.2 8.2 12.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 24.28 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

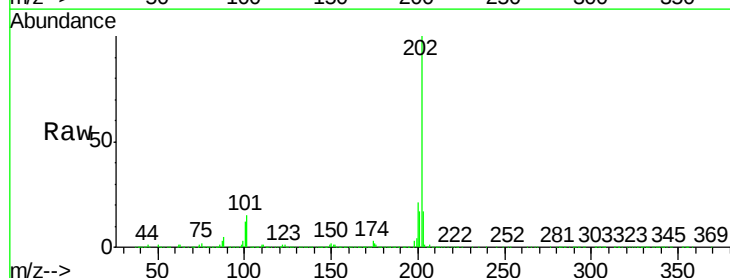
Tgt Ion:202 Resp: 1159763

Ion Ratio Lower Upper

202 100

101 14.7 13.0 19.6

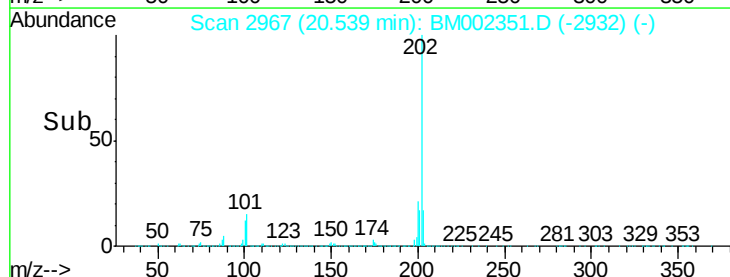
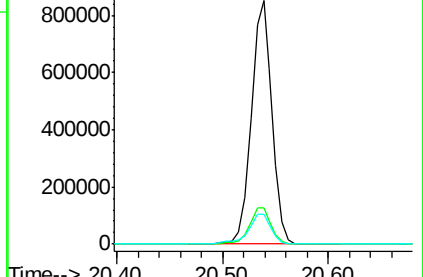
100 12.5 11.0 16.4

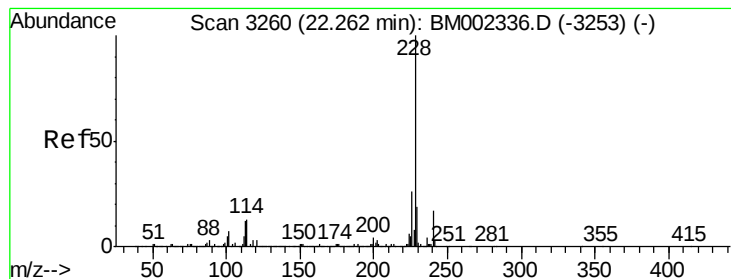


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.28 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

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SSTD02025

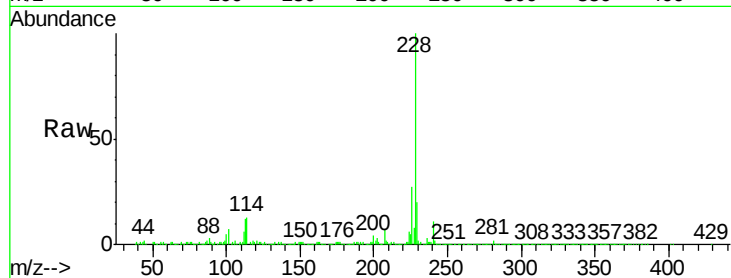
Tot Ion:228 Resp: 914608

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

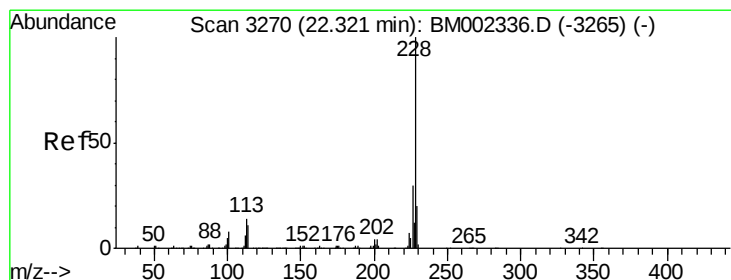
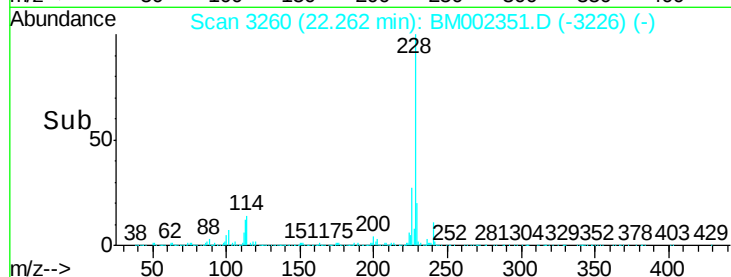
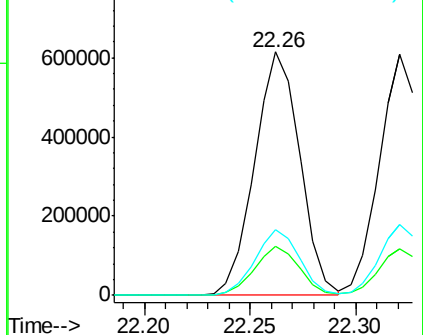
226 26.8 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 20.04 ng/ul

RT: 22.32 min Scan# 3270

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

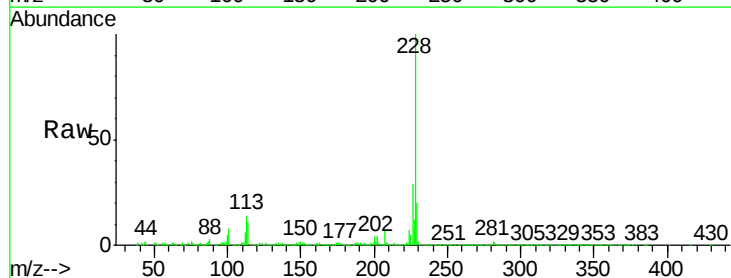
Tgt Ion:228 Resp: 856492

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

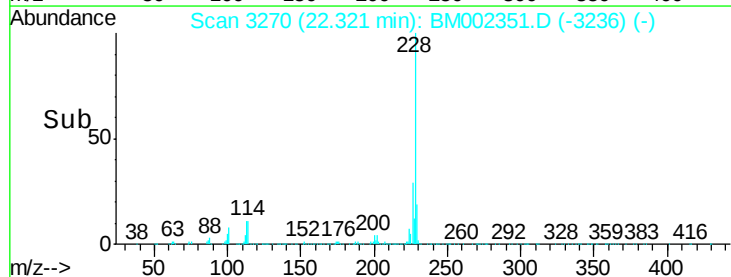
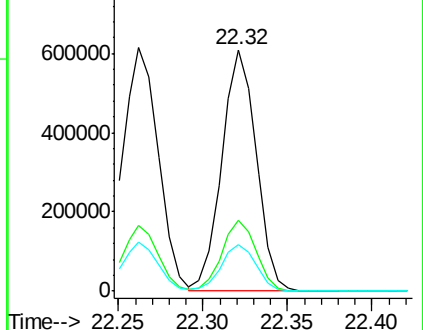
229 19.5 15.5 23.3

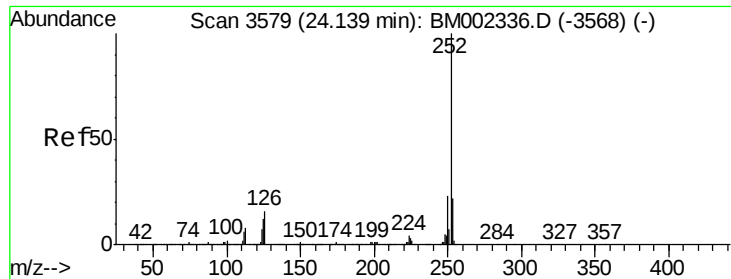


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.67 ng/ul

RT: 24.14 min Scan# 3579

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

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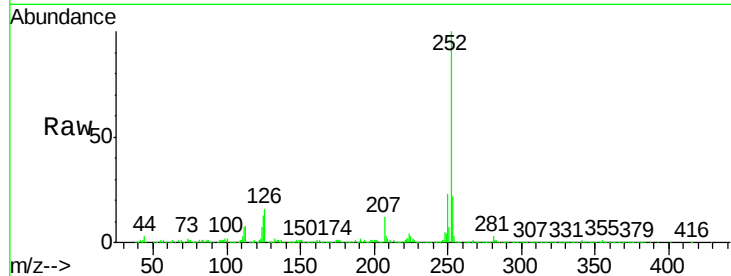
Tot Ion:252 Resp: 820024

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

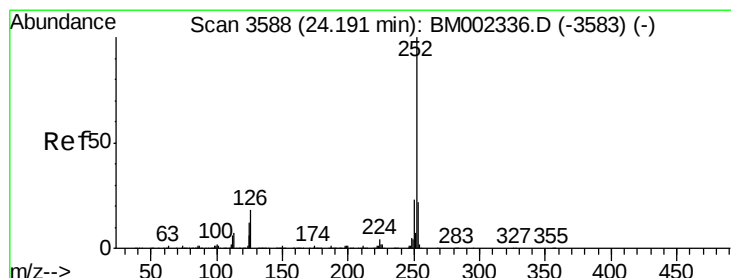
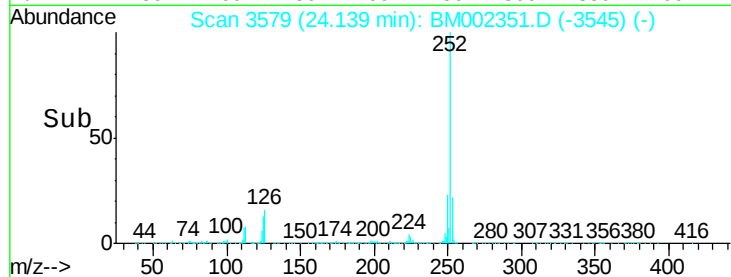
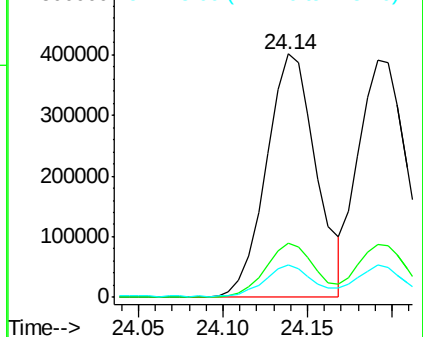
125 13.1 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 20.35 ng/ul

RT: 24.19 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

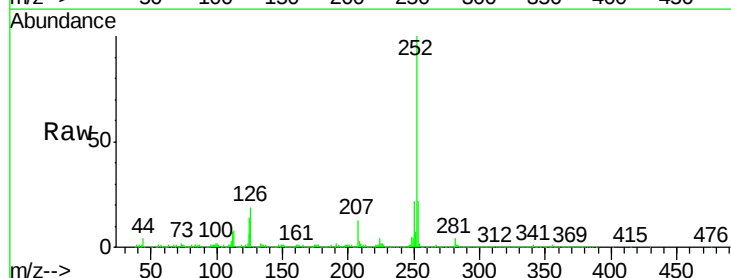
Tgt Ion:252 Resp: 775293

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

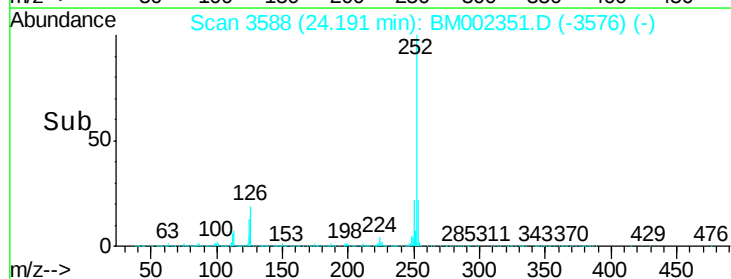
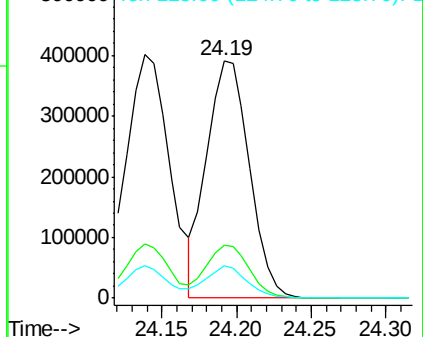
125 13.6 10.2 15.4

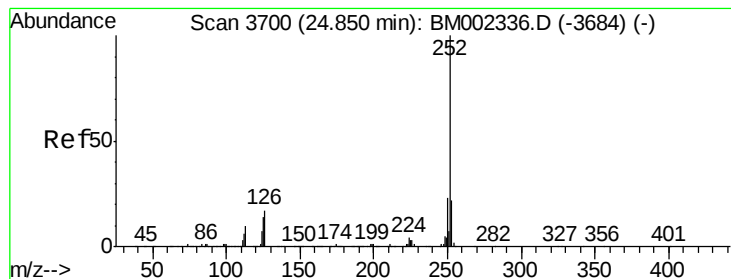


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.17 ng/ul

RT: 24.86 min Scan# 3701

Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

Instrument :

BNA_M

ClientSampleId :

SSTD02025

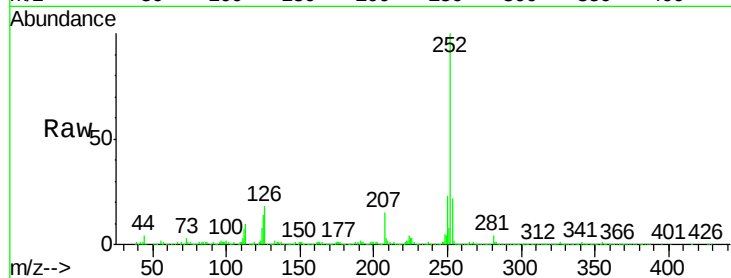
Tot Ion:252 Resp: 765565

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

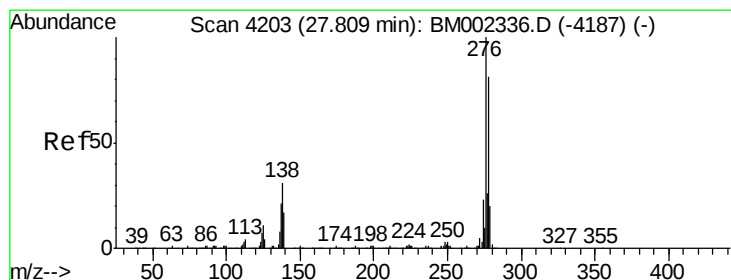
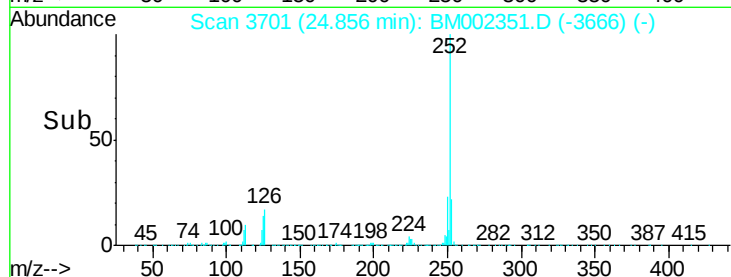
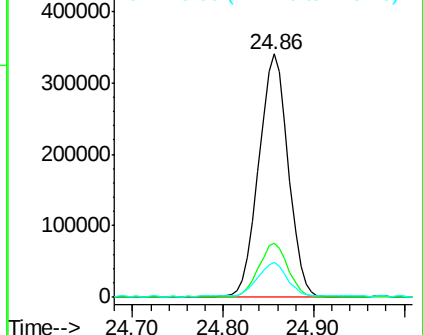
125 14.5 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#27

Indeno(1,2,3-cd)pyrene

Concen: 20.29 ng/ul

RT: 27.82 min Scan# 4205

Delta R.T. 0.01 min

Lab File: BM002351.D

Acq: 12 Aug 2015 08:32

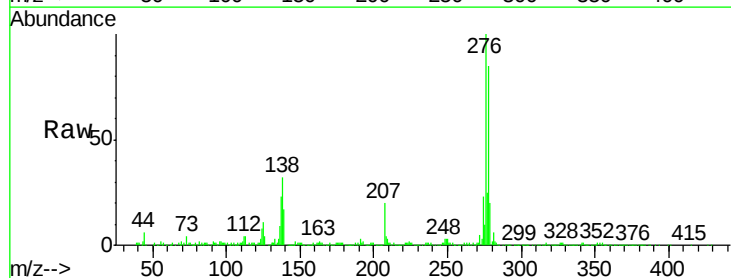
Tgt Ion:276 Resp: 882938

Ion Ratio Lower Upper

276 100

138 32.4 25.6 38.4

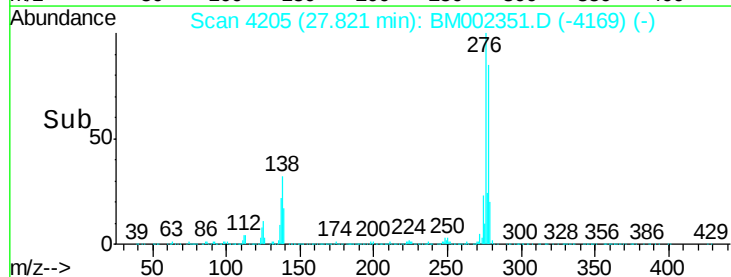
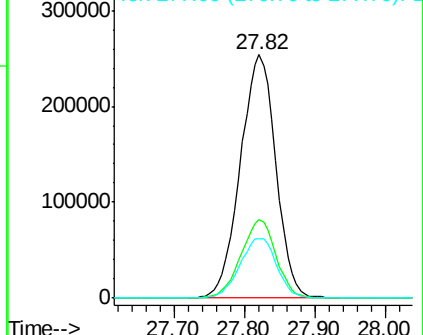
277 24.6 21.0 31.4

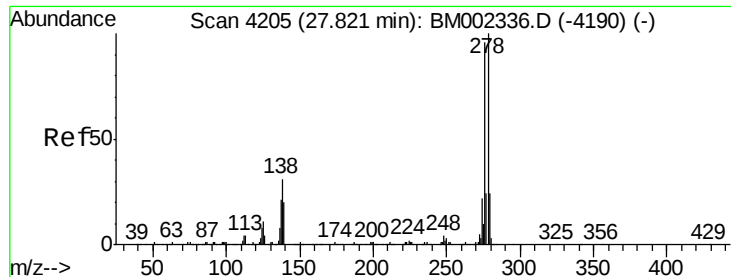


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

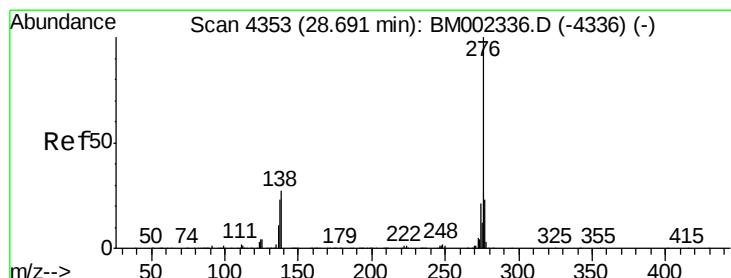
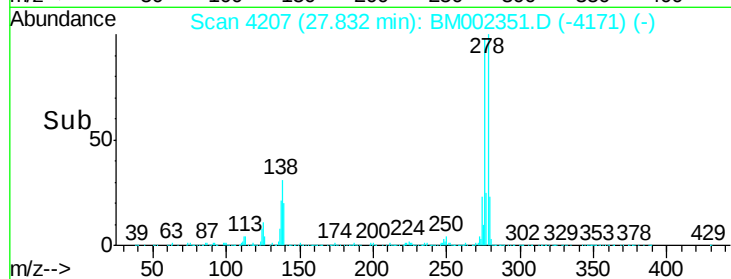
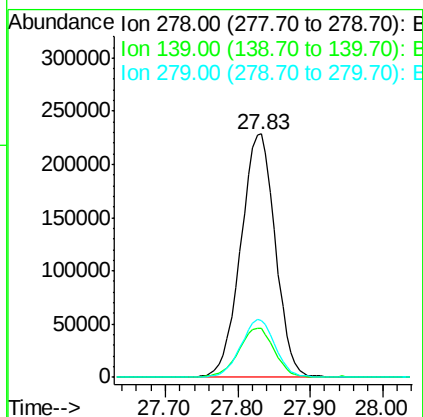
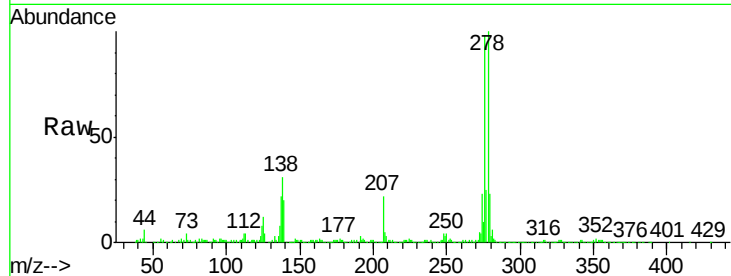




#28
Dibenzo(a,h)anthracene
Concen: 20.42 ng/ul
RT: 27.83 min Scan# 4207
Delta R.T. 0.01 min
Lab File: BM002351.D
Acq: 12 Aug 2015 08:32

Instrument :
BNA_M
ClientSampleId :
SSTD02025

Tot Ion:278 Resp: 752851
Ion Ratio Lower Upper
278 100
139 20.2 16.4 24.6
279 23.4 18.8 28.2



#29
Benzo(g,h,i)perylene
Concen: 20.26 ng/ul
RT: 28.71 min Scan# 4356
Delta R.T. 0.02 min
Lab File: BM002351.D
Acq: 12 Aug 2015 08:32

Tgt Ion:276 Resp: 743682
Ion Ratio Lower Upper
276 100
138 26.5 20.5 30.7
277 23.5 19.0 28.6

